

# Iron and Steel Castings: 2001

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## Current Industrial Reports

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### SUMMARY OF FINDINGS

In 2001, quantity of iron and steel castings shipped were estimated at 9,887 thousand

short tons, which compares to the 11,362 thousand short tons shipped in 2000. Ductile iron and gray iron castings quantity shipped were estimated at 4,161 and 4,813 thousand short tons respectively, from the 4,599 and 5,606 shipped in 2000. Manufacturers of malleable iron castings shipped 135 thousand short tons in 2001, showing a decrease from the 186 thousand short tons shipped in 2000. The quantity of steel castings (except investment) shipped in 2001 is 788 thousand short tons, from the 972 thousand short tons shipped in 2000. The quantity of steel investment castings shipped in 2001 is 71 thousand pounds, compared to 87 thousand pounds shipped in 2000.

For general CIR information, explanation of general terms and historical note, see the appendix.

Address inquiries concerning these data to Primary Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Brenda Campbell, 301-763-1031.

For mail or fax copies of this publication, please contact the Information Services Center, MCD, Washington, DC 20233-6900, or call 301-763-4673.

# U S C E N S U S B U R E A U

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**Table 1. Quantity of Shipments of Iron and Steel  
Castings: 2001 and 2000  
[Thousands of short tons]**

<b>Product description</b>	<b>2001</b>	<b>2000</b>
<b>Ductile iron castings:</b>		
Total.....	4,161	4,599
For sale.....	3,907	4,258
For own use.....	254 r/	341
<b>Gray iron castings:</b>		
Total.....	4,813	5,606
For sale.....	3,662	4,240
For own use.....	1,151	1,367
<b>Malleable iron castings:</b>		
Total.....	135	186
For sale.....	(D)	(D)
For own use.....	(D)	(D)
<b>Steel castings:</b>		
Total.....	778 r/	972
For sale.....	766	930
For own use.....	12 r/	42

D Withheld to avoid disclosing data for individual companies.  
r/Revised by 5 percent or more from previously published data.

**Table 2. Value of Shipments of Iron and Steel Castings: 2001 and 2000**  
**[Millions of dollars]**

Product description	2001		2000	
	Value of shipments	Standard error (percent)	Value of shipments	Standard error (percent)
Ductile iron castings.....	3,928.8	1.0	4,381.1	1.0
Gray iron castings.....	3,817.9	1.5	4,406.2	1.6
Malleable iron castings.....	176.3	1.0	229.4	0.8
Steel castings.....	1,587.2	1.1 r/	1,806.8	1.2
Steel investment castings.....	1,341.3	3.5 r/	1,394.4	3.8

r/Revised by 5 percent or more from previously published data.

Note: Dollar value represents the value of castings for sale.

Table 3. Shipments of Iron and Steel Castings by Type of Castings: 2001 and 2000  
[Quantity in short tons]

Product code	Product description	2001		2000	
		Quantity	Standard error (percent)	Quantity	Standard error (percent)
	Iron and steel castings (except investment castings).....	9,887,431	0.5	11,362,324	0.5
	For sale.....	8,395,598	0.5	9,524,672	0.5
	For own use.....	1,491,833	1.2	1,837,652	1.8
	Ductile (nodular) iron castings.....	4,161,174	(Z)	4,598,688	(Z)
	For sale.....	3,907,276	(Z)	4,257,971	(Z)
	For own use.....	253,898	0.6	340,717	(Z)
	Ductile iron pressure pipe:				
3315111201	Under 14 inches (inside diameter) 1/.....	1,086,184	- r/	1,067,717	-
3315111107	14 to 24 inches 1/.....	(D)	-	(D)	-
3315111108	30 inches and over 1/.....	(D)	-	(D)	-
	Ductile iron fittings:				
3315111111	Under 14 inches (inside diameter) 1/.....	82,855	2.9 r/	86,100	2.8
3315111117	14 to 24 inches 1/.....	(D)	-	17,522	-
3315111118	30 inches and over 1/.....	(D)	-	6,209	-
3315113206	Construction and utility castings 1/.....	54,427	(Z)	55,759	(Z)
3315113101	Automotive uses 1/.....	922,002	(Z)	1,149,724	(Z)
3315113216	Machinery uses 1/.....	108,896	3.1	137,370	2.7
3315113221	Other ductile iron castings (except pressure pipe and fittings):				
	For sale.....	696,514	1.3	816,603	1.0
	For own use.....	56,793	2.3	68,151	2.0
	Gray iron castings.....	4,813,393	0.8	5,606,355	0.8
	For sale.....	3,662,108	1.0	4,239,519	0.9
	For own use.....	1,151,285	0.7	1,366,836	1.0
331511E200	Molds and stools for heavy steel ingots 2/.....	38,671	-	33,452	-
	Gray iron pressure pipe fittings: 3/				
3315115121	Under 14 inches (inside diameter) 1/.....	9,410	(Z) r/	10,787	(Z)
3315115125	14 inches and over (inside diameter) 1/.....	537	1.3	522	1.3
3315117114	Gray iron soil pipe 1/.....	242,323	-	243,092	-
3315117133	Gray iron soil pipe fittings 1/3/.....	60,818	-	65,085	-
3315119206	Automotive uses 1/.....	988,156	0.6	1,283,952	0.5
3315119111	Construction and utility castings 1/.....	490,531	0.7 r/	508,580	0.7
3315119116	All other gray iron castings, including white iron castings:				
	For sale.....	1,821,664	1.7	2,094,051	1.7
	For own use.....	283,675	5.7 r/	321,770	5.8
	Malleable iron castings.....	134,620	(Z)	185,667	(Z)
	For sale.....	(D)	-	(D)	-
	For own use.....	(D)	-	(D)	-
331511A100	Standard malleable 2/.....	(D)	(Z)	(D)	(Z)
331511C300	Pearlitic malleable 2/.....	(D)	-	(D)	(Z)
	Steel castings (except investment).....	778,244	(Z)	971,614	(Z)
	For sale.....	765,973	(Z)	929,814	(Z)
	For own use.....	12,271	1.5 r/	41,800	2.6
	Carbon steel 2/.....	505,214	(Z)	637,899	(Z)
	Railroad specialties 2/.....	342,641	0.7	458,083	(Z)
3315131102	Side frames, bolsters, couplers, yokes, draft gear, snubbers (self-contained unit type), hopper doors and frames and break beams 2/.....	(D)	-	(D)	-
3315131103	Other carbon steel railway and transit rolling stock castings 2/.....	(D)	-	(D)	-

Continued

Table 3. Shipments of Iron and Steel Castings by Type of Castings: 2001 and 2000  
[Quantity in short tons]

Product code	Product description	2001		2000	
		Quantity	Standard error (percent)	Quantity	Standard error (percent)
3315131215	Other carbon steel castings, including rolls for rolling mills:				
	For sale.....	160,104	0.6	176,288	0.6
	For own use.....	2,469	6.8	3,528	13.0
	Alloy (except high alloy) steel castings.....	187,956	2.6	225,877	2.6
3315135101	Railway specialties 2/.....	23,432	2.6	29,218	2.6
3315135113	Other alloy steel castings, including rolls for rolling mills 2/.....	164,524	1.0	196,659	1.0
3315133113	High alloy steel castings:				
	For sale.....	82,147	1.6	102,852	1.5
	For own use.....	2,927	6.3 r/	4,986	3.9
	Steel investment castings 4/.....	71,254	0.6	87,263	0.7
	For sale 4/.....	68,178	0.6	82,742	0.8
	For own use 4/.....	3,075	-	4,521	-
3315120101	Carbon, including low alloy 2/4/.....	24,898	0.8 r/	35,785	1.0
3315120106	Alloy, including stainless 2/4/.....	46,355	0.7 r/	51,478	0.8

- Represents zero. D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent  
or more from previously published data. Z Less than half the unit shown.

1/Represents data "For sale only."

2/Represents data "For sale and for own use."

3/Does not include machined, threaded, or assembled fittings.

4/Shipments are in thousands of pounds.

**Table 4. Manufacturers Shipments, Exports, and Imports of Iron and Steel Castings: 2001**  
[Quantity in short tons]

Product code	Product description 1/	Manufacturers' shipments	Exports of domestic merchandise 1/ 2/	Imports for consumption 1/ 3/
3315111201, 1107, 1108	Ductile iron pressure pipe 4/.....	2,017,679	1,226	12,742
3315111111, 1117, 1118	Ductile iron fittings 4/.....	107,758	38	2,003
331511E200	Molds for heavy steel ingot 4/.....	38,671	884	6,187
3315115121, 5125	Gray iron pressure pipe fittings 4/.....	9,947	8,274	22,880
3315117114	Gray iron soil pipe 4/.....	242,323	60,811	9,478
3315117133	Gray iron soil pipe fittings 4/.....	60,818	3,586	70,322
3315113206, 3101, 3216, 3221, 9111 9116, 9206, A100, C300, 3315131102, 1103, 1215, 3113, 5101, 5113, 3315120101, 0106	Iron and steel castings, n.e.c. 4/.....	6,416,775	89,846	303,283

1/For comparison of North American Industry Classification System (NAICS)-based product codes with Schedule B export codes, and HTSUSA import codes, see Table 5.

2/Source: Census Bureau report FT 446, U.S. Exports.

3/Source: Census Bureau report IM 145, U.S. Imports for Consumption.

4/See Table 3 for data representing "For sale only," "For sale," and "For own use."

**Table 5. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2001**

Product code	Product description	Export code 1/	Import code 2/
3315111201, 1107, 1108	Ductile iron pressure pipe.....	7303.00.0060 7303.00.0090	7303.00.0060 7303.00.0090
3315111111, 1117, 1118	Ductile iron fittings.....	7307.19.3000	7307.19.3040 7307.19.3060
331511E200	Molds for heavy steel ingots.....	8454.20.0010	8454.20.0010
3315115121, 5125	Gray iron pressure pipe fittings.....	7307.11.0030 7307.11.0060	7307.11.0030 7307.11.0060
3315117114	Gray iron soil pipe.....	7303.00.0030	7303.00.0030
3315117133	Gray iron soil pipe fittings.....	7307.11.0045	7307.11.0045
3315113206, 3101, 3216, 3221, 9111, 9116, 9206, A100, C300, 3315131102, 1103, 1215, 3113, 5101, 5113, 3315120101, 0106	Iron and steel castings, n.e.c. ....	7307.19.9030 7307.19.9090 7325.10.0000 7325.91.0000 7325.99.0000	7307.19.9030 7307.19.9040 7307.19.9060 7307.19.9080 7325.10.0010 7325.10.0025 7325.10.0020 7325.10.0035 7325.10.0030 7325.10.0080 7325.91.0000 7325.99.1000 7325.99.5000

n.e.c. Not elsewhere classified.

1/Source: 2001 edition, Harmonized System-based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Source: Harmonized Tariff Schedule of the United States, Annotated (2001).